

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SHARP CORP

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(54) SOFTWARE/HARDWARE COOPERATIVE DESIGN METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide hardware for executing a part to be integrated into hardware and a computer program for executing a part to be integrated into software by describing the processing procedure of a whole system including a part to be executed by hardware and a part to be executed by software by using program language to be generally used.

SOLUTION: A partial procedure to be executed by hardware is extracted from the processing procedure of a whole system described in computer program language, and hardware for executing this procedure is synthesized. Also, hardware operation control description is generated by using the computer program language, and the partial procedure to be executed by the hardware among the processing procedure of the whole system described in the computer program language is replaced with the hardware operation control description

